

What is claimed is:

1. A susceptor device comprising:

a ceramic base body having a mounting surface for mounting a plate sample on a surface of the ceramic base body; and

a temperature controlling section for supporting the base body, in which a flow path for circulating a medium for controlling a temperature is formed;

wherein the base body and the temperature controlling section are attached together via an adhesive layer; and

the adhesive layer is sealed by a sealing member which is disposed near a peripheral section of the adhesive layer.

2. A susceptor device according to Claim 1 wherein an electrode is disposed inside of the base body.

3. A susceptor device according to Claim 1 wherein:

at least a main portion of the temperature controlling section is formed by a conductive material; and

the temperature controlling section serves as an electrode.

4. A susceptor device according to Claim 1 wherein:

a supporting section for supporting the sealing member is disposed outside of a peripheral section of the temperature controlling section;

the supporting section is fixed by a fixing member on the temperature controlling

section; and

the sealing member is attached to the base body, or the adhesive layer, or the base body and the adhesive layer by compressing the sealing member by the supporting section.

5. A susceptor device according to Claim 4 wherein a groove for supporting the sealing member is formed on an upper surface of the supporting section.

6. A susceptor device according to Claim 4 wherein:

an inclined surface is formed on an upper end section in an inner peripheral surface of the supporting section such that the inclined surface has a predetermined angle to the inner peripheral surface; and

the sealing member is attached to the base body, or the adhesive layer, or the base body and the adhesive layer by the inclined surface compressing the sealing member.

7. A susceptor device according to Claim 6 wherein a ring flange section for supporting the sealing member is formed in a peripheral section of the base body.

8. A susceptor device according to Claim 4 wherein:

a flange section which contacts a part of the sealing member is formed in an inner peripheral section of the supporting section;

a second supporting section which contacts other part of the sealing member is disposed so as to face the flange section;

the second supporting section is fixed to the supporting section by a second fixing

member; and

the sealing member is attached to the base body, or the adhesive layer, or the base body and the adhesive layer by the second supporting section and the flange section by compressing the sealing section.